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PRE AMDT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Krieg  
Divisional of Serial No: 08/960,774  
Filed: October 30, 1997  
For: METHODS OF TREATING CANCER USING  
IMMUNOSTIMULATORY OLIGONUCLEOTIDES

Box: Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please amend the Application as follows:

Please cancel claims 2-41.

Please add the following new claims:

42. A method for increasing the responsiveness of a cancer cell to a cancer therapy, comprising:

administering to a subject having a cancer an effective amount for increasing the responsiveness of a cancer cell to a cancer therapy of an immunostimulatory nucleic acid, having a sequence including at least the following formula:

5' X<sub>1</sub> X<sub>2</sub> C G X<sub>3</sub> X<sub>4</sub> 3'

wherein C and G are unmethylated, wherein X<sub>1</sub>X<sub>2</sub> and X<sub>3</sub>X<sub>4</sub> are nucleotides, and wherein the sequence is not palindromic.

43. The method of claim 42, further comprising administering a chemotherapeutic agent.

44. The method of claim 42, further comprising administering a cancer immunotherapeutic agent.

45. The method of claim 42, wherein the cancer is brain cancer.

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